

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	95701	(ju-he\$ kim-ji\$ lee-s\$ han-san\$ chang-ih\$).in.	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	ON	2009/12/20 22:23
L3	6504	((428/402-402.24) or (427/213.3-213.36) or (264/4-4.7)).COLS	USPAT; USOOR; FPRS; JPO; DERWENT	OR	OFF	2009/12/20 22:25
L5	170953	microcapsule microsphere microballon micro adj capsule micro adj sphere micro adj ballon core adj shell core adj shell adj particle nanocapsule nanospshere nano adj capsule nano adj sphere core-shell core-shell adj particle microencapsulat\$4 micro adj encapsulat\$4	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT	OR	ON	2009/12/20 22:28
L6	543685	enzyme oxidoreductase transferase hydrolase lyase isomerase synthase ligase	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT	OR	ON	2009/12/20 22:28
L7	5323	5 same  6	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT	OR	ON	2009/12/20 22:29
L8	356	( 6 with core) same  5	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT	OR	ON	2009/12/20 22:30
L13	1710	(424/491,497).COLS.	USPAT; USOOR; FPRS; JPO; DERWENT	OR	OFF	2009/12/20 22:38
S1	7	("1421990").PN.	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	OFF	2006/06/06 19:33

S2	13	(("5911923") or ("5407609") or ("5460817") or ("6420333") or ("3891570") or ("3664963")).PN.	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	OFF	2005/10/17 16:42
S3	4	(("4898781") or ("6420333")).PN.	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	OFF	2005/10/18 11:28
S4	103578	microcapsule micro adj capsule microsphere micro adj sphere microparticle micro adj particle	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	ON	2005/10/18 11:32
S5	482950	polyol polyglycol poly adj glycol polyhydric adj alcohol poly adj hydric adj alcohol glycerol polyethylene adj glycol poly adj ethylene adj glycol polyethyleneglycol	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	ON	2005/10/18 15:37
S6	343054	enzyme oxidoreductase transferase hydrolase lyase isomerase synthase ligase	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	ON	2005/10/18 13:41
S7	568878	emulsify emulsion emulsification emulsifying emulsi\$5	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	ON	2006/06/10 14:09
S8	14519	S4 and S5 and S6 and S7	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	ON	2005/10/18 11:36
S9	2495	(core active adj ingredient active adj material) near3 S6	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	ON	2005/10/18 11:37
S10	2945574	S9 ands S4	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	ON	2005/10/18 11:37
S11	412	S9 and S4	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	ON	2005/10/18 11:37
S12	210	S11 and S5 and S7	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	ON	2005/10/18 11:57

S13	131	(low adj molecular adj weight high adj molecular adj weight) and S12	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/10/18 11:50
S14	15082	(low near3 molecular adj weight high near molecular adj weight) near3 S5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/10/18 13:50
S15	10	S11 and S14 and S7	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/10/18 11:57
S16	2776	vehicle near3 S5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/10/18 11:57
S17	4	S11 and S16 and S7	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/10/18 11:57
S18	86	("3173878"   "3415758"   "3516942"   "3523906"   "3657144"   "3664963").PN. OR ("3891570").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/10/18 13:18
S19	43	S18 and S5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/10/18 12:55
S20	18	S19 and S6	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/10/18 12:55
S21	126	("3197180"   "3523906"   "3691090"   "3737337"   "3891570"   "3923288"   "3943063"   "3951851"   "3960757"   "4034965"   "4111402"   "4201482"   "4208136"   "4389330"   "4511258"   "4530840"   "4574110"   "4612364"   "4614440"   "4616937"   "4622244"   "4643584"   "4675189"   "4731205"   "4753535"   "4765204"   "4793713"   "4808007"   "4936689"   "4954298"   "5061410"   "5100669"   "5271945"   "5389379"   "5407609"   "5556642").PN. OR ("5650173").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/10/18 13:04
S22	77	S18 and S4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/10/18 13:18
S23	42	S22 and S5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/10/18 13:18

S24	39	S23 and S7	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	OFF	2005/10/18 13:18
S25	0	S24 and S9	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	OFF	2005/10/18 13:19
S26	17	S24 and S6	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	OFF	2005/10/18 13:19
S27	16	(("3523906") or ("3737337") or ("3960757") or ("4389330") or ("4530840")).PN.	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	OFF	2005/10/18 13:33
S28	1443	enzyme near3 S5	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	OFF	2005/10/18 14:33
S29	91	S28 and S4	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	OFF	2005/10/18 13:23
S30	75	S29 and S7	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	OFF	2005/10/18 13:42
S31	3	S27 and (molecular adj weight)	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	OFF	2005/10/18 13:33
S32	5	(US-5281357-\$ or US-4389330-\$ or US-5068191-\$ or US-5281356-\$ or US-4530840-\$). did.	USPAT	OR	OFF	2005/10/18 13:38
S33	5	S32 and S6	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	OFF	2005/10/18 13:39
S34	97889	oxidoreductase transferase hydrolase lyase isomerase synthase ligase	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	ON	2005/10/18 13:41

S35	1	S32 and S34	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/10/18 13:41
S36	60	S30 and S34	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/10/18 13:42
S37	7450	(low near3 molecular adj weight low near3 MW) near3 S5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/10/18 13:51
S38	61	S37 and S28	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/10/18 14:00
S39	15	S34 and S38	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/10/18 13:51
S40	6	S38 and S4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/10/18 14:01
S41	6	(US-20030082238-\$ or US-20030104969-\$).did. or (US-5068191-\$ or US-5281356-\$ or US-6720014-\$ or US-5942217-\$).did.	US-PGPUB; USPAT	OR	OFF	2005/10/18 14:05
S42	4	S34 and S41	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/10/18 14:05
S43	2288	S6 near3 S5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/10/18 14:33
S44	69	S43 and S37	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/10/18 15:37
S45	166656	S5 and S7	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/10/18 15:37

S46	22949	S45 and S4	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	OFF	2005/10/18 15:37
S47	6231	S5 near3 S7	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	OFF	2005/10/18 15:38
S48	94	S47 same S4	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	OFF	2005/10/18 15:52
S49	55	S47 with S4	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	OFF	2005/10/18 15:58
S50	3	polyol with polymer with microcapsule	JPO	OR	OFF	2005/10/18 16:03
S51	92	polyol with polymer with microcapsule	US-PGPUB; USPAT; USOOR; EPO; JPO	OR	OFF	2005/10/18 16:27
S52	2	("4898781").PN.	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	OFF	2005/10/18 16:27
S53	1	10/716877	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	ON	2006/06/06 19:34
S54	340580	(polyol polyethylene adj glycol polypropylene adj glycol)	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	ON	2006/06/06 19:40
S55	113350	microcapsule microsphere microballon micro adj capsule micro adj sphere micro adj balloon core adj shell core adj shell adj particle nanocapsule nanospshere nano adj capsule nano adj sphere core-shell core-shell adj particle microencapsulat\$4 micro adj encapsulat\$4	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	ON	2006/06/06 19:36
S56	68991	(Shell surface coat coating surface adj layer surface adj coating wall) with hydrophobic	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	ON	2006/06/10 14:12

S57	86	S54 same S55 same S56	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/06 19:40
S58	76018	S54 same (molecular adj weight MW)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/06 19:40
S59	8	S58 same S55 same S56	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/06 19:45
S60	8	(("6420333") or ("5460817") or ("5911923") or ("5407608")).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/06/06 19:46
S61	112686	microcapsule micro adj capsule microsphere micro adj sphere microparticle micro adj particle	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/10 14:10
S62	508009	polyol polyglycol poly adj glycol polyhydric adj alcohol poly adj hydric adj alcohol glycerol polyethylene adj glycol poly adj ethylene adj glycol polyethyleneglycol	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/10 15:20
S63	590512	emulsify emulsion emulsification emulsifying emulsifying	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/10 15:24
S64	1687	S61 same S62 same S63	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/10 14:10
S65	366967	enzyme oxidoreductase transferase hydrolase lyase isomerase synthase ligase	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/10 14:10
S66	2692	(core active adj ingredient active adj material) near3 S65	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/10 14:11
S67	3	S61 same S63 same S66	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/10 14:11

S68	1796	(core active adj ingredient active adj material) near3 S62	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	ON	2006/06/10 14:11
S69	0	S61 same S68 same S66	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	ON	2006/06/10 14:11
S70	13612	(core active adj ingredient active adj material) with S62	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	ON	2006/06/10 14:14
S71	77	S70 same S61 same S63	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	ON	2006/06/10 14:12
S72	69088	Shell surface coat coating surface adj layer surface adj coating wall) with hydrophobic	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	ON	2006/06/10 14:31
S73	4	S70 same S61 same S63 same S72	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	ON	2006/06/10 14:12
S74	1796	(core active adj ingredient active adj material) near3 S62	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	ON	2006/06/10 14:16
S75	4	S61 same S74 same S63	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	ON	2006/06/10 14:15
S76	4	S75 not S73	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	ON	2006/06/10 14:15
S77	1683247	S62 ner3 solvent	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	ON	2006/06/10 14:16
S78	67265	S62 with solvent	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	ON	2006/06/10 14:16

S79	16143	S62 near3 solvent	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/10 14:17
S80	589	S79 and S70	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/10 14:17
S81	170	S79 and S74	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/10 14:17
S82	111	S80 and S72	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/10 14:17
S83	74	S82 and S61 and S63	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/10 14:18
S84	0	S73 not (S73 S75)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/10 14:18
S85	74	S83 not (S73 S75)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/10 14:18
S86	36275	Shell surface coat coating surface adj layer surface adj coating wall) near3 hydrophobic	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/10 15:43
S87	75	S74 and S86	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/10 14:34
S88	62	S87 not S85	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/10 14:31
S89	16143	S74 and l33and S79	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/10 14:34

S90	22	S74 and S86 and S79	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	ON	2006/06/10 14:34
S91	21	S74 and S86 and S79 and S63	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	ON	2006/06/10 14:37
S92	97	S86 and S79 and S63 and S61	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	ON	2006/06/10 14:38
S93	6988	((428/402-402.24) or (427/213.3-213.36) or (264/4-4.7)).CCLS	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	OFF	2006/06/10 14:39
S94	3	S92 and S93	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	ON	2006/06/10 14:41
S95	0	(polyol with solvent) same (shell with hydrophobic) same (emulsion)	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	ON	2006/06/10 14:43
S96	64	(polyol with solvent) and S93	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	ON	2006/06/10 14:47
S97	124	(shell with hydrophobic) and S93	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	ON	2006/06/10 14:43
S98	2	S96 and S97	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	ON	2006/06/10 14:43
S99	46	(polyol with solvent) and S93 and S63	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	ON	2006/06/10 15:08
S100	2092	(polyol with solvent) same S63	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	ON	2006/06/10 15:09

S101	60	S100 and S86	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/10 15:08
S102	3	S101 and S93	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/10 15:08
S103	11	S100 and S93	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/10 15:12
S104	2	("20020022038").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/06/10 15:17
S105	1	10/716877	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/10 16:00
S106	1501	polyol same solvent same (core active adj ingredient active adj material)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/10 15:21
S107	2202	S63 same S86	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/10 15:23
S108	2049	(remove take adj out extract) same (solvent and polyol)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/10 15:22
S109	1	S106 and S107 and S108	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/10 15:23
S110	2	S106 same S107	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/10 15:23
S111	1309	S81 and (S62 same solvent) and S63 and S72	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/10 15:27

S112	14	S61 same (S62 same solvent) same S63 same S72	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	ON	2006/06/10 15:27
S113	41539	(Shell surface coat coating surface adj layer surface adj coating wall film) near3 hydrophobic	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	ON	2006/06/10 15:44
S114	9	S61 same (S62 same solvent) same S113	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	ON	2006/06/10 15:44
S115	13	("3,664,963") or ("3,891,570") or ("6,420,333") or ("5,460,817") or ("5,911,923") or ("5,407,609").PN.	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	OFF	2006/06/10 15:51
S116	0	S105 and (surprise surpris\$4 unexpect\$4)	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	ON	2006/06/10 16:26
S117	15443	enzyme same soluble same (oil water)	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	ON	2006/06/10 16:27
S118	6894	enzyme with soluble with (oil water)	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	ON	2006/06/10 16:27
S119	535	S118 and S61	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	ON	2006/06/10 16:27
S120	300	S118 and S61 and S62 and S63	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	ON	2006/06/10 16:35
S121	3	(polystyrene) with hydrophobic	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	ON	2006/06/10 16:36
S122	2	("5385959").PN.	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	OFF	2007/02/27 15:28

S123	1	10/716877	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/02/27 19:33
S124	1	10/716877	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/02/27 19:34
S125	1	(oil with water) and S124	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/02/27 19:34
S126	2209	(enzyme) same (polyethylene adj glycol polypropylene adj glycol polyol alcohol propylene adj glycol glycerin) same (molecular adj weight)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/01 21:21
S127	130653	microcapsule microsphere microballon micro adj capsule micro adj sphere micro adj ballon core adj shell core adj shell adj particle nanocapsule nanospshere nano adj capsule nano adj sphere core-shell core-shell adj particle microencapsulat\$4 micro adj encapsulat\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/01 21:17
S128	1	S126 same "I3"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/01 21:17
S129	12	S126 same S127	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/01 21:18
S130	773	S127 near3 enzyme	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/01 21:34
S131	1675	enzyme same encapsulation	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/01 21:35
S132	167	S131 and (high adj molecular adj weight) and (low adj molecular adj weight)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/01 21:36
S133	111	S132 and emulsion	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/01 21:36

S134	130777	microcapsule micro adj capsule microsphere micro adj sphere microparticle micro adj particle	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	ON	2007/09/08 19:35
S135	417648	enzyme oxidoreductase transferase hydrolase lyase isomerase synthase ligase	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	ON	2007/09/05 20:27
S136	3079	(core active adj ingredient active adj material) near3 S135	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	ON	2007/09/05 20:27
S137	572	S136 and S134	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	ON	2007/09/05 20:27
S138	2	("4898781").PN.	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	OFF	2007/09/08 19:30
S139	130936	microcapsule microsphere microballon micro adj capsule micro adj sphere micro adj ballon core adj shell core adj shell adj particle nanocapsule nanospshere nano adj capsule nano adj sphere core-shell core-shell adj particle microencapsulat\$4 micro adj encapsulat\$4	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	ON	2007/09/08 19:35
S140	22150	S139 same (emulsify emulsion emulsi\$4)	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	ON	2007/09/08 20:41
S141	525	S140 same polyol	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	ON	2007/09/08 19:37
S142	305	S141 and (molecular adj weight m adj sub adj w mw)	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	ON	2007/09/08 19:37
S143	55	S141 and ((molecular adj weight m adj sub adj w mw) same polyol)	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	ON	2007/09/08 19:46
S144	8	S143 and enzyme	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	ON	2007/09/08 19:39

S145	6	(("5460817") or ("5911923") or ("5407609")).PN.	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	OFF	2007/09/08 19:54
S146	2	("6420333").PN.	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	OFF	2007/09/08 19:56
S147	0	("4,906,3965,434,0695,441,6605,589,3705,733,5315,296,166").PN.	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	OFF	2007/09/08 19:57
S148	11	(("4,906,396") or ("5,434,069") or ("5,441,660") or ("5,589,370") or ("5,733,531") or ("5,296,166")).PN.	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	OFF	2007/09/08 19:57
S149	6	S148 and (emulsify emulsion emulsify\$4)	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	ON	2007/09/08 20:41
S150	35	S139 and (enzyme same (dissolve\$4 dispers\$4) same (polyol polyhydroxy poly adj hydroxy polyethylene adj glycol PEG polypropylene adj glycol PPG) same (molecular adj weight m adj sub adj w mw))	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	ON	2007/09/08 20:52
S151	29	S139 and (enzyme same (stabiliz\$5) same (polyol polyhydroxy poly adj hydroxy polyethylene adj glycol PEG polypropylene adj glycol PPG) same (molecular adj weight m adj sub adj w mw))	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	ON	2007/09/08 20:55
S152	176	(enzyme same (stabiliz\$5) same (polyol polyhydroxy poly adj hydroxy polyethylene adj glycol PEG polypropylene adj glycol PPG) same (molecular adj weight m adj sub adj w mw))	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	ON	2007/09/08 20:57
S153	2	("4,305,837").PN.	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	OFF	2007/09/08 20:57
S154	1	10/716877	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	ON	2008/03/06 17:51
S155	82942	(ju-he\$ kim-ji\$ lee-s\$ han-san\$ chang-ih\$).in.	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	ON	2008/11/29 23:47

S156	156104	microcapsule micro adj capsule microsphere micro adj sphere microparticle micro adj particle	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	ON	2008/11/29 23:48
S157	16551	S156.clm.	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	ON	2008/11/29 23:48
S158	23	S155 and S157	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	ON	2008/11/29 23:48
S159	1	10/716877	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	ON	2009/06/15 18:46
S160	517812	enzyme oxidoreductase transferase hydrolase lyase isomerase synthase ligase	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	ON	2009/06/15 19:34
S161	23679	S160 same (PEG \$4ethylene adj glycol PPG \$4propylene adj glycol \$4butylene adj glycol glycerin)	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	ON	2009/06/15 19:34
S162	8580	S160 with (PEG \$4ethylene adj glycol PPG \$4propylene adj glycol \$4butylene adj glycol glycerin)	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	ON	2009/06/15 19:35
S163	2589	S162 same (dissolve\$4 dispers\$4 emulsion emulsif\$4 mixture mix\$4)	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	ON	2009/06/15 19:35
S164	73	S163 same (drop\$4 droplets drops spherical sphere)	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	ON	2009/06/15 19:36
S165	2	("4,898,781").PN.	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	OFF	2009/06/15 19:40
S166	40	("3629140"   "3819528"   "4107071"   "4244836"   "4269729").PN. OR ("4898781").URPN.	US-PGPUB; USPAT; USOOR	OR	ON	2009/06/15 19:44

S167	165623	microcapsule micro adj capsule microsphere micro adj sphere microparticle micro adj particle	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/06/15 19:55
S168	25073	S160 and (PEG \$4ethylene adj glycol PPG \$4propylene adj glycol \$4butylene adj glycol glycerin glycerol glycerine) and (drop\$4 drops droplets spherical spheres) and S167	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/06/15 19:55
S169	6	S166 and S168	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/06/15 19:55
S170	20	("3664963"   "3891570"   "4898781"   "5385959"   "5407609"   "5460817"   "5672213"   "5911923"   "6420333").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/06/15 20:08
S171	5	("3,838,007").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/06/15 20:18
S172	0	("2004/0108608").URPN.	USPAT	OR	ON	2009/06/15 20:20
S173	11	(monomeric adj polyol) same S160	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/06/15 20:22
S174	1063	S161 same3 S167	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/06/15 20:28
S175	135126	(PEG \$4ethylene adj glycol PPG \$4propylene adj glycol \$4butylene adj glycol glycerin glycerol glycerine) same (molecular adj weight MW)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/06/15 20:29
S176	525	S174 and S175	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/06/15 20:29
S177	8	(S163 same S167) and S175	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/06/15 20:30

S178	2455	S160 same (PEG \$4ethylene adj glycol PPG \$4propylene adj glycol \$4butylene adj glycol glycerin) same ("400" "200" "600")	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	ON	2009/06/15 20:34
S179	46	S178 same3 S167	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	ON	2009/06/15 20:35
S180	384	S160 same ((PEG \$4ethylene adj glycol PPG \$4propylene adj glycol \$4butylene adj glycol glycerin) near3 ("400" "200" "600"))	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	ON	2009/06/15 20:36
S181	183	S180 and ( S167 drop\$4 droplets drops spherical sphere)	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	ON	2009/06/15 20:39
S182	6377	S160 same S167	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	ON	2009/06/15 20:42
S183	277	((PEG \$4ethylene adj glycol PPG \$4propylene adj glycol \$4butylene adj glycol glycerin) near3 ("400" "200" "600")) and S182	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	ON	2009/06/15 20:42
S184	3961	dispersoid	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	ON	2009/06/15 21:38
S185	8	spherical adj dispersoid	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	ON	2009/06/15 21:38
S186	0	S184 with "FIG."	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	ON	2009/06/15 21:40
S187	0	S184 with "FIG"	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	ON	2009/06/15 21:40
S188	12	S184 with figure	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	ON	2009/06/15 21:40

S189	5275	protein same (PEG \$4ethylene adj glycol PPG \$4propylene adj glycol \$4butylene adj glycol glycerin) same ("400" "200" "600")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/06/15 21:47
S190	416	S189 same (drop\$4 droplets drops spherical sphere)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/06/15 21:48
S191	25	S190 same3 S167	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/06/15 21:48
S192	271	protein with (PEG \$4ethylene adj glycol PPG \$4propylene adj glycol \$4butylene adj glycol glycerin) with S167	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/06/15 21:50
S193	384	(PEG \$4ethylene adj glycol PPG \$4propylene adj glycol \$4butylene adj glycol glycerin glycerol glycerine) same S160 same S167	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/06/15 22:14
S194	25739	(PEG \$4ethylene adj glycol PPG \$4propylene adj glycol \$4butylene adj glycol glycerin glycerol glycerine) with vehicle	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/06/15 22:18
S195	12	S193 and S194	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/06/15 22:18
S196	177	S193 same (dissolve\$4 dispers\$6 emulsion emulsif\$4 mixture mix\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/06/15 22:20
S197	1573715	(PEG \$4ethylene adj glycol PPG \$4propylene adj glycol \$4butylene adj glycol glycerin glycerol glycerine) with S160 disper\$5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/06/15 22:29
S198	26281	S197 and ( (PEG \$4ethylene adj glycol PPG \$4propylene adj glycol \$4butylene adj glycol glycerin) near3 ("400" "200" "600"))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/06/15 22:29
S199	9586	S197 same3 ( (PEG \$4ethylene adj glycol PPG \$4propylene adj glycol \$4butylene adj glycol glycerin) near3 ("400" "200" "600"))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/06/15 22:31

S200	1247671	(PEG \$4ethylene adj glycol PPG \$4propylene adj glycol \$4butylene adj glycol glycerin glycerol glycerine) with S160 (dispersion dispersed dispersoids)	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	ON	2009/06/15 22:33
S201	94	(PEG \$4ethylene adj glycol PPG \$4propylene adj glycol \$4butylene adj glycol glycerin glycerol glycerine) with S160 with (dispersion dispersed dispersoids)	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	ON	2009/06/15 22:33
S202	323	(PEG \$4ethylene adj glycol PPG \$4propylene adj glycol \$4butylene adj glycol glycerin glycerol glycerine) with S160 with disper\$5	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	ON	2009/06/15 22:35
S203	40	(S201 S202) and ( (PEG \$4ethylene adj glycol PPG \$4propylene adj glycol \$4butylene adj glycol glycerin) near3 ("400" "200" "600"))	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	ON	2009/06/15 22:38
S204	12849	enzyme with (glycol glycerol)	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	ON	2009/06/15 22:42
S205	21	enzyme with glycerol with (drop\$4 droplets drops spherical sphere)	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	ON	2009/06/15 22:45
S206	16	enzyme with glycerol with (dispersion)	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	ON	2009/06/15 22:47
S207	49	(propylene adj glycol butylene adj glycol glycerin glycerol glycerine) with S160 with (dispersion dispersed dispersoids)	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	ON	2009/06/15 22:49
S208	941	(propylene adj glycol butylene adj glycol glycerin glycerol glycerine) with S160 with (advantage benefit function use usage gain improve improvement enhance enhancement develop development assist assistance help controlled control\$4 modify modification alter alteration altering adjusting adjust)	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	ON	2009/06/15 22:53
S209	24865513	(propylene adj glycol butylene adj glycol glycerin glycerol glycerine) near3 S160 near3 (advantage benefit function use usage gain improve improvement enhance enhancement develop development assist assistance help controlled control\$4 modify modification alter alteration altering adjusting adjust)	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	ON	2009/06/15 22:53
S210	43	(propylene adj glycol butylene adj glycol glycerin glycerol glycerine) near3 S160 near3 (advantage benefit function use usage gain improve improvement enhance enhancement develop development assist assistance help controlled control\$4 modify modification alter alteration altering adjusting adjust)	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	ON	2009/06/15 22:53

S211	:2	S210 and S167	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/06/15 22:54
S212	90021	(ju-he\$ kim-ji\$ lee-s\$ han-san\$ chang-ih\$).in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/06/15 22:55
S213	:401	S212 and S167	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/06/15 22:55
S214	:26	S212 and S167.clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/06/15 22:55
S215	:2	enzyme with encapsulation with (glycerol glycerin propylene adj glycol butylene adj glycol)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/06/15 23:37
S216	:7	(enzyme with encapsulation) same (glycerol glycerin propylene adj glycol butylene adj glycol)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/06/15 23:38
S217	:43	(enzyme with encapsulation) same3 (glycerol glycerin propylene adj glycol butylene adj glycol)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/06/15 23:38
S218	:2	("4,898,781").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/06/15 23:40
S219	:945	enzyme same (stable stabilization stabl\$4) same (glycerin glycerol glycerine)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/06/16 00:36
S220	:165686	microcapsule micro adj capsule microsphere micro adj sphere microparticle micro adj particle	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/06/16 00:36
S221	:100	S219 and S220	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/06/16 00:36

S222	42	\$219 same (coat coating drops encapsulate)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/06/16 00:43
S223	198	enzyme same (solid) same (coat coating coated shell layer) same (glycerine glycerol)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/06/16 00:45
S224	18	enzyme with (solid) with (coat coating coated shell layer) same (glycerine glycerol)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/06/16 00:45
S225	18	enzyme with (solid) with (dispersion dispersed dispers\$4) same (glycerine glycerol)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/06/16 00:47
S226	252	enzyme with (dispersion dispersed dispers\$4) same (glycerine glycerol)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/06/16 00:54
S227	0	enzyme with (dispersion dispersed dispers\$4) same (glycerine glycerol) with (encapsulat\$4 envelop\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/06/16 00:55
S228	0	(enzyme with (dispersion dispersed dispers\$4) with (encapsulat\$4 envelop\$4)) same (glycerine glycerol)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/06/16 00:58
S229	3	enzyme with (dispersion dispersed dispers\$4) same (encapsulat\$4 envelop\$4) same (glycerine glycerol)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/06/16 00:58
S230	220	enzyme same (encapsulat\$4 envelop\$4) same (glycerine glycerol)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/06/16 01:00
S231	110	enzyme with (encapsulat\$4 envelop\$4) same (glycerine glycerol)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/06/16 01:00
S232	1439	enzyme with (stable stabilizing stabilising) same (glycol glycerol)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/06/16 01:07

S233	67	S232 same (dispersion dispersed dispers\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/06/16 01:07
S234	327	enzyme same dissolve same (glycerin glycol glycerol)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/06/16 01:22
S235	38	enzyme with dissolve with (glycerin glycol glycerol)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/06/16 01:22
S239	174839	microcapsule micro adj capsule microsphere micro adj sphere microparticle micro adj particle	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/12/20 22:12
S240	712410	polyol polyglycol poly adj glycol polyhydric adj alcohol poly adj hydric adj alcohol glycerol polyethylene adj glycol poly adj ethylene adj glycol polyethyleneglycol	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/12/20 22:12
S241	543654	enzyme oxidoreductase transferase hydrolase lyase isomerase synthase ligase	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/12/20 22:12
S242	742600	emulsify emulsion emulsification emulsifying emuls\$5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/12/20 22:12
S243	29553	S239 and S240 and S241 and S242	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/12/20 22:12
S244	4009	(core active adj ingredient active adj material) near3 S241	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/12/20 22:12
S245	4349466	S244 ands S239	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/12/20 22:12
S246	811	S244 and S239	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/12/20 22:12

S249	21819	(low near3 molecular adj weight high near molecular adj weight) near3 S240	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	ON	2009/12/20 22:12
S251	4694	vehicle near3 S240	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	ON	2009/12/20 22:12
S254	55	S253 and S240	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	OFF	2009/12/20 22:12
S257	96	S253 and S239	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	OFF	2009/12/20 22:12
S258	54	S257 and S240	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	OFF	2009/12/20 22:12
S259	51	S258 and S242	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	OFF	2009/12/20 22:12
S260	0	S259 and S244	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	OFF	2009/12/20 22:12
S263	2223	enzyme near3 S240	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	OFF	2009/12/20 22:12
S264	197	S263 and S239	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	OFF	2009/12/20 22:12
S269	171736	oxidoreductase transferase hydrolase lyase isomerase synthase ligase	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	ON	2009/12/20 22:12
S272	10487	(low near3 molecular adj weight low near3 MW) near3 S240	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	ON	2009/12/20 22:12

S278	3603	S241 near3 S240	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/12/20 22:12
S280	255241	S240 and S242	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/12/20 22:12
S281	44382	S280 and S239	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/12/20 22:12
S282	8949	S240 near3 S242	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/12/20 22:12
S289	488236	(polyol polyethylene adj glycol polypropylene adj glycol)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/12/20 22:12
S290	170946	microcapsule microsphere microballon micro adj capsule micro adj sphere micro adj balloon core adj shell core adj shell adj particle nanocapsule nanospshere nano adj capsule nano adj sphere core-shell core-shell adj particle microencapsulat\$4 micro adj encapsulat\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/12/20 22:12
S291	99220	(Shell surface coat coating surface adj layer surface adj coating wall) with hydrophobic	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/12/20 22:12
S293	106767	S289 same (molecular adj weight MW)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/12/20 22:12
S296	174839	microcapsule micro adj capsule microsphere micro adj sphere microparticle micro adj particle	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/12/20 22:12
S297	712410	polyol polyglycol poly adj glycol polyhydric adj alcohol poly adj hydric adj alcohol glycerol polyethylene adj glycol poly adj ethylene adj glycol polyethyleneglycol	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/12/20 22:12
S298	742600	emulsify emulsion emulsification emulsifying emulsify\$5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/12/20 22:12

S299	2816	S296 same S297 same S298	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	ON	2009/12/20 22:12
S300	543654	enzyme oxidoreductase transferase hydrolase lyase isomerase synthase ligase	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	ON	2009/12/20 22:12
S301	4009	(core active adj ingredient active adj material) near3 S300	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	ON	2009/12/20 22:12
S302	6	S296 same S298 same S301	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	ON	2009/12/20 22:12
S303	3052	(core active adj ingredient active adj material) near3 S297	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	ON	2009/12/20 22:12
S304	0	S296 same S303 same S301	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	ON	2009/12/20 22:12
S305	20335	(core active adj ingredient active adj material) with S297	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	ON	2009/12/20 22:12
S307	99220	(Shell surface coat coating surface adj layer surface adj coating wall) with hydrophobic	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	ON	2009/12/20 22:12
S309	3052	(core active adj ingredient active adj material) near3 S297	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	ON	2009/12/20 22:12
S312	2146353	S297 ner3 solvent	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	ON	2009/12/20 22:12
S313	98499	S297 with solvent	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	ON	2009/12/20 22:12

S314	23558	S297 near3 solvent	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	ON	2009/12/20 22:12
S315	892	S314 and S305	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	ON	2009/12/20 22:12
S316	222	S314 and S309	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	ON	2009/12/20 22:12
S317	174	S315 and S307	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	ON	2009/12/20 22:12
S318	110	S317 and S296 and S298	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	ON	2009/12/20 22:12
S319	0	S308 not (S308 S310)	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	ON	2009/12/20 22:12
S321	53629	(Shell surface coat coating surface adj layer surface adj coating wall) near3 hydrophobic	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	ON	2009/12/20 22:12
S322	106	S309 and S321	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	ON	2009/12/20 22:12
S324	23558	S309 and l33and S314	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	ON	2009/12/20 22:12
S328	8233	((428/402-402.24) or (427/213.3-213.36) or (264/4-4.7)).CCLS	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	OFF	2009/12/20 22:12
S330	0	(polyol with solvent) same (shell with hydrophobic) same (emulsi\$4)	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	ON	2009/12/20 22:12

S332	167	(shell with hydrophobic) and S328	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	ON	2009/12/20 22:12
S335	3352	(polyol with solvent) same S298	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	ON	2009/12/20 22:12
S336	127	S335 and S321	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	ON	2009/12/20 22:12
S341	2396	polyol same solvent same (core active adj ingredient active adj material)	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	ON	2009/12/20 22:12
S342	2893	S298 same S321	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	ON	2009/12/20 22:12
S343	2652	(remove take adj out extract) same (solvent and polyol)	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	ON	2009/12/20 22:12
S346	2416	S296 and (S297 same solvent) and S298 and S307	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	ON	2009/12/20 22:12
S348	60586	(Shell surface coat coating surface adj layer surface adj coating wall film) near3 hydrophobic	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	ON	2009/12/20 22:12
S351	0	S340 and (surprise surpris\$4 unexpect\$4)	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	ON	2009/12/20 22:12
S352	20910	enzyme same soluble same (oil water)	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	ON	2009/12/20 22:12
S353	9114	enzyme with soluble with (oil water)	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	ON	2009/12/20 22:12

S354	900	S353 and S296	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	ON	2009/12/20 22:12
S359	1	10/716877	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	ON	2009/12/20 22:12
S361	2844	(enzyme) same (polyethylene adj glycol polypropylene adj glycol polyol alcohol propylene adj glycol glycerin) same (molecular adj weight)	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	ON	2009/12/20 22:12
S362	170946	microcapsule microsphere microballon micro adj capsule micro adj sphere micro adj ballon core adj shell core adj shell adj particle nanocapsule nanospshere nano adj capsule nano adj sphere core-shell core-shell adj particle microencapsulat\$4 micro adj encapsulat\$4	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	ON	2009/12/20 22:12
S363	2	S361 same "l3"	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	ON	2009/12/20 22:12
S365	1025	S362 near3 enzyme	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	ON	2009/12/20 22:12
S366	2260	enzyme same encapsulation	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	ON	2009/12/20 22:12
S369	174839	microcapsule micro adj capsule microsphere micro adj sphere microparticle micro adj particle	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	ON	2009/12/20 22:12
S370	543654	enzyme oxidoreductase transferase hydrolase lyase isomerase synthase ligase	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	ON	2009/12/20 22:12
S371	4009	(core active adj ingredient active adj material) near3 S370	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	ON	2009/12/20 22:12
S375	28761	S374 same (emulsify emulsion emulsi\$4)	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	ON	2009/12/20 22:12

S376	635	S375 same polyol	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/12/20 22:12
S377	376	S376 and (molecular adj weight m adj sub adj w mw)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/12/20 22:12
S382	0	("4,906,3965,434,0695,441,6605,589,3705,733,5315,296,166").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/12/20 22:12
S390	95701	(ju-he\$ kim-ji\$ lee-\$ han-san\$ chang-ih\$).in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/12/20 22:12
S391	174839	microcapsule micro adj capsule microsphere micro adj sphere microparticle micro adj particle	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/12/20 22:12
S392	18150	S391.clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/12/20 22:12
S395	543654	enzyme oxidoreductase transferase hydrolase lyase isomerase synthase ligase	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/12/20 22:12
S396	25102	S395 same (PEG \$4ethylene adj glycol PPG \$4propylene adj glycol \$4butylene adj glycol glycerin)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/12/20 22:12
S397	9162	S395 with (PEG \$4ethylene adj glycol PPG \$4propylene adj glycol \$4butylene adj glycol glycerin)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/12/20 22:12
S398	2744	S397 same (dissolve\$4 dispers\$4 emulsion emulsif\$4 mixture mix\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/12/20 22:12
S402	174839	microcapsule micro adj capsule microsphere micro adj sphere microparticle micro adj particle	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/12/20 22:12

S403	27015	S395 and (PEG \$4ethylene adj glycol PPG \$4propylene adj glycol \$4butylene adj glycol glycerin glycerol glycerine) and (drop\$4 drops droplets spherical spheres) and S402	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	ON	2009/12/20 22:12
S407	0	("2004/0108608").URPN.	USPAT	OR	ON	2009/12/20 22:12
S409	11152	S396 same3 S402	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	ON	2009/12/20 22:12
S410	140747	(PEG \$4ethylene adj glycol PPG \$4propylene adj glycol \$4butylene adj glycol glycerin glycerol glycerine) same (molecular adj weight MW)	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	ON	2009/12/20 22:12
S411	566	S409 and S410	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	ON	2009/12/20 22:12
S413	2602	S395 same (PEG \$4ethylene adj glycol PPG \$4propylene adj glycol \$4butylene adj glycol glycerin) same ("400" "200" "600")	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	ON	2009/12/20 22:12
S417	6867	S395 same S402	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	ON	2009/12/20 22:12
S419	4244	dispersoid	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	ON	2009/12/20 22:12
S421	0	S419 with "FIG"	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	ON	2009/12/20 22:12
S422	0	S419 with "FIG"	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	ON	2009/12/20 22:12
S424	5644	protein same (PEG \$4ethylene adj glycol PPG \$4propylene adj glycol \$4butylene adj glycol glycerin) same ("400" "200" "600")	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	ON	2009/12/20 22:12

S425	450	S424 same (drop\$4 droplets drops spherical sphere)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/12/20 22:12
S428	429	(PEG \$4ethylene adj glycol PPG \$4propylene adj glycol \$4butylene adj glycol glycerin glycerol glycerine) same S395 same S402	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/12/20 22:12
S429	27122	(PEG \$4ethylene adj glycol PPG \$4propylene adj glycol \$4butylene adj glycol glycerin glycerol glycerine) with vehicle	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/12/20 22:12
S432	1626763	(PEG \$4ethylene adj glycol PPG \$4propylene adj glycol \$4butylene adj glycol glycerin glycerol glycerine) with S395 disper\$5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/12/20 22:12
S433	27589	S432 and ( (PEG \$4ethylene adj glycol PPG \$4propylene adj glycol \$4butylene adj glycol glycerin) near3 ("400" "200" "600"))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/12/20 22:12
S434	10090	S432 same3 ( (PEG \$4ethylene adj glycol PPG \$4propylene adj glycol \$4butylene adj glycol glycerin) near3 ("400" "200" "600"))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/12/20 22:12
S435	1288800	(PEG \$4ethylene adj glycol PPG \$4propylene adj glycol \$4butylene adj glycol glycerin glycerol glycerine) with S395 (dispersion dispersed dispersoids)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/12/20 22:12
S436	100	(PEG \$4ethylene adj glycol PPG \$4propylene adj glycol \$4butylene adj glycol glycerin glycerol glycerine) with S395 with (dispersion dispersed dispersoids)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/12/20 22:12
S437	347	(PEG \$4ethylene adj glycol PPG \$4propylene adj glycol \$4butylene adj glycol glycerin glycerol glycerine) with S395 with disper\$5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/12/20 22:12
S439	13656	enzyme with (glycol glycerol)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/12/20 22:12
S443	1025	(propylene adj glycol butylene adj glycol glycerin glycerol glycerine) with S395 with (advantage benefit function use usage gain improve improvement enhance enhancement develop development assist assistance help controlled control\$4 modify modification alter alteration altering adjusting adjust)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/12/20 22:12

## EAST Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L2	10266	(ju-he\$ kim-ji\$ lee-s\$ han-san\$ chang-ih\$).in.	USPAT; UPAD	:OR	ON	2009/12/20 22:24
L4	69	((428/402-402.24) or (427/213.3-213.36) or (264/4-4.7)).CCLS	UPAD	:OR	OFF	2009/12/20 22:25
L9	58156	microcapsule microsphere microballoon micro adj capsule micro adj sphere micro adj balloon core adj shell core adj shell adj particle nanocapsule nanosphere nano adj capsule nano adj sphere core-shell core-shell adj particle microencapsulat\$4 micro adj encapsulat\$4	USPAT; UPAD	:OR	ON	2009/12/20 22:33
L10	181539	enzyme oxidoreductase transferase hydrolase lyase isomerase synthase ligase	USPAT; UPAD	:OR	ON	2009/12/20 22:33
L14	17	(424/491,497).CCLS	UPAD	:OR	OFF	2009/12/20 22:38
L17	115	(l10 with core) same l9	USPAT; UPAD	:OR	ON	2009/12/20 22:44
L18	273	(l10 same core) same3 l9	USPAT; UPAD	:OR	ON	2009/12/20 22:44

12/20/2009 10:45:54 PM

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